

KPS 2/1/2008
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(FILE 'HOME' ENTERED AT 09:04:34 ON 01 FEB 2008)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, COMPUSCIENCE, BIOTECHNO' ENTERED
AT 09:05:15 ON 01 FEB 2008

L1 5487 S METABOLIC ENGINEERING
L2 15198824 S METHOD
L3 22 S MAXIMIZING GROWTH RATE
L4 58 S LACTATE OVERPRODUCTION
L5 1410 S METABOLIC FLUX ANALYSIS
L6 308 S FLUX BALANCE ANALYSIS
L7 1132 S (CELL MODELLING) OR (CELL MODELING)
L8 1858 S CELL SIMULATION
L9 3 S BIOCHEMICAL PATHWAY SIMULATION
L10 5647 S METABOLIC FLUX
L11 724 S FLUX BALANCE
L12 8634 S OPTIMIZATION PROBLEM
L13 8372 S LINEAR PROGRAMMING
L14 7338 S OBJECTIVE FUNCTION
L15 3 S COUPL? (5N) OBJECTIVE FUNCTIONS
L16 301 S (BILEVEL OR DUAL) (3N) OPTIMIZATION
L17 0 S CELLULAR OBJECTIVE FUNCTION
L18 0 S BIOENGINEERING OBJECTIVE FUNCTION
L19 3 DUP REM L15 (0 DUPLICATES REMOVED)
L20 18 S L16 AND L14
L21 15 DUP REM L20 (3 DUPLICATES REMOVED)

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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("20020012939").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/01 09:07
L2	2	("20020142321").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/01 09:07
L3	6	((("20020012939") or ("20020168654") or ("20030073092")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/01 09:07
L4	112324	Metabolic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L5	448172	flux	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L6	1290501	analysis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L7	123	L4 L5 L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L8	2694	bilevel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07

EAST Search History

L9	10855	bilevel or (bi level)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L10	192805	optimization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L11	4	L9 L10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L12	36667	biomass or bio mass	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L13	13907	maximization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L14	4	L12 L13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L15	0	lactate overproduction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L16	7369	bioengineering	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07

EAST Search History

L17	933	in silico	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L18	472	L4 L5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L19	11	L16 and L17 and L18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L20	112324	Metabolic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L21	448172	flux	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L22	1290501	analysis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L23	6860	L20 and L21 and L22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L24	1410	lactate and overproduction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07

EAST Search History

L25	189	L23 and L24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L26	0	"702".icls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L27	1674	"702/19".icls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L28	2	L25 and L27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L29	16	metabolic modeling	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L30	760	lactic acid production	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L31	0	L29 and L30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L32	1013	435/06.icls. or 435/04.icls. or 702/20.icls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07

EAST Search History

L33	264	metabolic network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L34	12	L32 and L33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L35	10	Maranas, Costa.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L36	9	"Maranas, Costa D".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L37	10	"Maranas, Costa".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L38	9	"Burgard, Anthony".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L39	6	"Pharkya, Priti".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L40	0	lactate prodution same (FBA or (flux balance analysis))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07

EAST Search History

L41	15	lactate same (FBA or (flux balance analysis))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L42	6	((("10222029") or ("9940686") or ("10929091")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/01 09:07
L43	82	Palsson Bernhard.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L44	0	"09940686".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L45	6	"940686".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L46	0	Varma, Amit.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L47	953	Varma.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L48	0	Varma,A.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07

EAST Search History

L49	0	"Palsson.in"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07
L50	275	Palsson.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/01 09:07